



## NSF 61 Certified Multi-Swell™ (Style 3760-U)

### MATERIAL PROPERTIES\*

<b>Color:</b>	Blue/Off-white
<b>Composition:</b>	Synthetic fibers with a proprietary rubber binder. Unbranded without anti-stick coating
<b>Fluid Services<sup>1</sup>:</b>	Water, aliphatic hydrocarbons, oils and gasoline
<b>Temperature<sup>2</sup>, °F (°C)</b>	
Minimum:	-100 (-73)
Continuous Max:	+400 (+205)
<b>Pressure<sup>2</sup>, Maximum, psig (bar):</b>	500 (34.5)
<b>P x T (max.)<sup>2</sup>, psig x °F (bar x °C)</b>	
1/32 and 1/16":	150,000 (5,100)
1/8":	100,000 (3,400)
<b>Meets Specification:</b>	<b>NSF 61 Certified</b> (Gaskets 1/16" thick are certified for 6" and larger pipe. Gaskets 1/8" thick are certified for 10" and larger.) Contact Garlock for pipe sizes less than 6".

### TYPICAL PHYSICAL PROPERTIES\*

<b>ASTM F36</b>	<b>Compressibility</b> , range, %:	15-30
<b>ASTM F36</b>	<b>Recovery</b> , %:	40
<b>ASTM F38</b>	<b>Creep Relaxation</b> , %:	30
<b>ASTM F152</b>	<b>Tensile</b> , Across Grain, psi (N/mm <sup>2</sup> ):	1000 (6.9)
<b>ASTM F1315</b>	<b>Density</b> , lbs./ft. <sup>3</sup> (grams/cm <sup>3</sup> ):	85 (1.36)
<b>ASTM D149</b>	<b>Dielectric Properties</b> , range, volts/mil.	
	Sample conditioning	1/32"      1/68"
	3 hours at 250°F:	607      385
	96 hours at 100% Relative Humidity:	-      -
<b>ASTM F104</b>	<b>Line Call Out:</b>	F719996B6L100M3 <sup>(3)</sup>

### SEALING CHARACTERISTICS\*

	<b>ASTM F37B Fuel A</b>	<b>ASTM F37B Nitrogen</b>
<b>Gasket Load</b> , psi (N/mm <sup>2</sup> ):	500 (3.5)	3000 (20.7)
<b>Internal Pressure</b> , psig (bar):	9.8 (0.7)	30 (2)
<b>Leakage</b>	<b>0.15 ml/hr.</b>	<b>0.20 ml/hr.</b>

### IMMERSION PROPERTIES\* - ASTM F146 Fluid Resistance after Five Hours

	<b>ASTM #1 Oil</b> 300°F (150°C)	<b>ASTM IRM #903</b> 300°F (150°C)	<b>Distilled Water</b> 70-85°F (20-30°C)
<b>Thickness Increase</b> , (%)	≥15	<75	25
<b>Weight Increase</b> , (%)	<30	<85	-
<b>Tensile Loss</b> , (%)	-	-	-

#### Notes:

This is a general guide and should not be the sole means of selecting or rejecting this material. ASTM test results in accordance with ASTM F-104; properties based on 1/32" (0.8mm) sheet thickness unless otherwise mentioned.

\* Values do not constitute specification Limits

<sup>1</sup> See Garlock chemical resistance guide for Multi-Swell™ 3760.

<sup>2</sup> Based on ANSI RF flanges at our preferred torque. When approaching maximum pressure, continuous operating temperature, minimum temperature or 50% of maximum P x T, consult Garlock Applications Engineering. Minimum temperature rating is conservative.

<sup>3</sup> Third numeral 9: F36 Compressibility 15-30%. Fourth numeral 9: % Thickness Increase in IRM Oil #903 = 75% max. Fifth numeral 9: % Weight Increase in IRM Oil #903 = 85% max.